STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING
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Application Serial Number: _10/583, 088_

Source: _1FwP_

Date Processed by STIC: _6/26/06_

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Revised 01/10/06

RAW SEQUENCE LISTING   DATE: 06/26/2006
PATENT APPLICATION: US/10/583,088   TIME: 13:38:51

Input Set : A:\PCTIE2004C04022 seq list.ST25.txt
Output Set: N:\CRF4\06262006\J583088.raw

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    5 <110> APPLICANT: BIO-RAD Pasteur
    9 <120> TITLE OF INVENTION: Olignonucleotides for the detection of hepatitis B virus
   12 <130> FILE REFERENCE: BET 04P1080
C-->16 <140> CURRENT APPLICATION NUMBER: US/10/583,088
C-->16 <141> CURRENT FILING DATE: 2006-06-15
   16 <160> NUMBER OF SEQ ID NOS: 15
   20 <170> SOFTWARE: PatentIn version 3.1
   24 <210> SEQ ID NO: 1
   26 <211> LENGTH: 3215
   28 <212> TYPE: DNA
   30 <213> ORGANISM: Hepatitis B virus
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   37 tggtggctcc agttcaggaa cagtgagccc tgctcagaat actgtctctg ccatatcgtc     120
   39 aatcttatcg aagactgggg accctgtgcc gaacatggag agcatcgcat caggactcct     180
   41 aggacccctg ctcgtgttac aggcggggtt tttcttgttg acaaaaatcc tcacaatacc     240
   43 acagagtcta gactcgtggt ggacttctct caattttcta gggggaacac ccgtgtgtct     300
   45 tggccaaaat cgcagtccc aaatctccag tcactcacca acctgttgtc ctccaacttg     360
   47 tcctggttat cgctggatgt gtctgcggcg ttttatcatc ttcctctgca tcctgctgct     420
   49 atgcctcatc ttcttgttgg ttcttctgga ctatcaaggt atgttgcccg tttgtcctct     480
   51 aattccagga tcatcaacca ccagcacggg accatgcaag acttgcacag ctcctgctca     540
   53 aggaacctct atgtttccct catgttgctg tacaaaacct acggacggaa actgcacctg     600
   55 tattcccatc ccatcatctt gggctttcgc aaaataccta tgggagtggg cctcagtccg     660
   57 tttctcttgg ctcagtttac tagtgccatt tgttcagtgg ttcgtagggc tttcccccac     720
   59 tgtctggctt tcagttatat ggatgatgtg gtttgggggg ccaagtctgt acaacatctt     780
   61 gagtcccttt ataccgctgt taccaatttt cttttgtctt tgggtataca tttaaaccct     840
   63 cacaaaacaa aaagatgggg atattccctt aacttcatgg gatatgtaat gggagttgg     900
   65 ggcacattgc cacaggaaca tattgtacaa aaaatcaaaa cgtgttttag gaaacttcct    960
   67 gtaaacaggc ctattgattg gaaagtatgt caacgaattg tgggtctttt ggggtttgcc   1020
   69 gccctttca cgcaatgtgg atatcctgct ttaatgcctt tatatgcatg tatacaagca   1080
   71 aaacaggctt ttactttctc gccaacttac aaggcctttc taagtaaaca gtatctgaac   1140
   73 ctttaccccg ttgctcggca acggcctggt ctgtgccaag tgtttgctga cgcaaccccc   1200
   75 actggttggg gcttggccat aggccatcag cgcatgcgtg gaacctttgt gtctcctctg   1260
   77 ccgatccata ctgcggaact cctagccgct tgttttgctc gcagcaggtc tggggcaaaa   1320
   79 ctcatcggga ctgacaattc tgtcgtgctc tcccgcaagt atacatcctt ccatggctg   1380
   81 ctaggctgtg ctgccaactg gatcctgcgc gggacgtcct tgtttacgt cccgtcggcg   1440
   83 ctgaatcccg cggacgaccc ctcccggggc cgcttggggc tctaccgccc gcttctccgc   1500
   85 ctgttgtacc gaccgaccac ggggcgcacc tctctttacg cggactcccc gtctgtgcct   1560
   87 tctcatctgc cggaccgtgt gcacttcgct tcacctctgc acgtcgcatg gagaccaccg   1620
   89 tgaacgccca caggaacctg cccaaggtct tgcataagag aactcttgga ctttcagcaa   1680
   91 tgtcaacgac cgaccttgag gcatacttca aagactgtgt gtttactgag tgggaggagt   1740
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RAW SEQUENCE LISTING   DATE: 06/26/2006
PATENT APPLICATION: US/10/583,088   TIME: 13:38:51

Input Set : A:\PCTIB2004004022 seq list.ST25.txt
Output Set: N:\CRF4\06262006\J583088.raw

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 97 tgttcaagcc tccaagctgt gccttgggtg ctttgggac atggacattg acccgtataa   1920
 99 agaatttgga gcttctgtgg agttactctc tttttgcct tctgacttct ttcctgctgt   1980
101 tcgagatctc ctcgacaccg cctctgctct gtatcgggag gccttagagt ctccggaaca   2040
103 ttgttcacct caccatacgg caatcaggca agctattctg tgttggggtg agttgatgaa   2100
105 tctagccacc tgggtgggaa gtaatttgga agatcaagca tccagggact tagtagtcag   2160
107 ctatgtcaac gttaatatgg gcctaaaatt cagacaacta ttgtggtttc acatttcctg   2220
109 tcttacgttt gggagacaaa ctgttcttga atatttggtg tcctttggag tgtggattcg   2280
111 cactcctcct gcatatagac caccaaatgc ccctatctta tcaacacttc cggaaactac   2340
113 tgttgttaga caaagaggca ggacccctag aagaagaact ccctcgcctc gcagacgaag   2400
115 gtctcaatcg ccgcgtcgca gaagatctca atctcgggaa tctcaatgtt agtattcctt   2460
117 ggacacataa ggtgggaaac tttactgggc tttattcttc tacggtacct tgctttaatc   2520
119 ctaattggca aactccttct tttcctgaca ttcatttgca ggaggacatt gttgatagat   2580
121 gtaagcaatt tgtggggccc cttacagtaa atgaaaacag gagactaaaa ttaattatgc   2640
123 ctgctaggtt ttatcccaat gttactaaat atttgccctt agataaaggg atcaaaccgt   2700
125 attatccaga gtatgtagtt aatcattact tccagacgcg acattattta cacactcttt   2760
127 ggaaggcggg gatcttatat aaaagagagt ccacacgtag cgcctcattt tgcgggtcac   2820
129 catattcttg ggaacaagat ctacagcatg ggaggttggt cttccaaacc tcgaaaaggc   2880
131 atggggacaa atcttgctgt ccccaatccc ctgggattct tccccgatca tcagttggac   2940
133 cctgcattca aagccaactc agacaatcca gattgggacc tcaacaggca caaggactac   3000
135 tggccggacg catggaaggt gggagtggga gcattcgggc cagggttcac ccctccccat   3060
137 gggggactgt tggggtggag ccctcaggct cagggcctac tcacaactgt gccagcagct   3120
139 cctcctcctg cctccaccaa tcggcagtca ggaaggcagc ctactccctt atctccacct   3180
141 ctaagagaca ctcatccaca ggccatgaag tggaa                              3215
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148 <212> TYPE: DNA
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155 gctgaatccc gcggacga                                                    18
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C--> 165 <213> ORGANISM: Artificial oligonucleotide
W--> 169 <220> FEATURE:
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170 gtgcagaggt gaagcgaagt g                                                21
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C--> 179 <213> ORGANISM: Artificial oligonucleotide
W--> 183 <220> FEATURE:
W--> 183 <223> OTHER INFORMATION:
W--> 183 <400> 4
184 gttcacggtg gtcgccatg                                                   19
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189 <211> LENGTH: 19
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delete *insert <220>* *<223>*

this belongs on <223> line

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C-->  193 <213> ORGANISM: Artificial ( oligonucleotide
W-->  197 <220> FEATURE:
W-->  197 <223> OTHER INFORMATION:
W-->  197 <400> 5
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C-->  207 <213> ORGANISM: Artificial U oligonucleotide
W-->  211 <220> FEATURE:
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      243 <210> SEQ ID NO: 9
      245 <211> LENGTH: 22
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W-->  253 <220> FEATURE:
W-->  253 <223> OTHER INFORMATION:
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C-->  263 <213> ORGANISM: Artificial ( oligonucleotide
W-->  267 <220> FEATURE:
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W-->  267 <400> 10
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      273 <211> LENGTH: 22
      275 <212> TYPE: DNA
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
RAW SEQUENCE LISTING   DATE: 06/26/2006
PATENT APPLICATION: US/10/583,088   TIME: 13:38:51

Input Set : A:\PCTIB2004004022 seq list.ST25.txt
Output Set: N:\CRF4\06262006\J583088.raw

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W--> 281 <223> OTHER INFORMATION:
W--> 281 <400> 11
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     287 <211> LENGTH: 32
     289 <212> TYPE: DNA
C--> 291 <213> ORGANISM: Artificial (f oligonucleotide
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W--> 295 <223> OTHER INFORMATION:
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     301 <211> LENGTH: 32
     303 <212> TYPE: DNA
C--> 305 <213> ORGANISM: Artificial (f oligonucleotide
W--> 309 <220> FEATURE:
W--> 309 <223> OTHER INFORMATION:
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     313 <210> SEQ ID NO: 14
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     317 <212> TYPE: DNA
C--> 319 <213> ORGANISM: Artificial (f oligonucleotide
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W--> 323 <223> OTHER INFORMATION:
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     327 <210> SEQ ID NO: 15
     329 <211> LENGTH: 32
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W--> 337 <220> FEATURE:
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W--> 337 <400> 15
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 06/26/2006
PATENT APPLICATION: US/10/583,088   TIME: 13:38:52

Input Set : **A:\PCTIB2004004022 seq list.ST25.txt**
Output Set: **N:\CRF4\06262006\J583088.raw**

Use of <220> Feature(NEW RULES):
Sequence(s)__are missing the <220> Feature and associated headings.
Use of <220> to <223> is MANDATORY if <213> ORGANISM is "Artificial Sequence"
or"Unknown". Please explain source of genetic material in <220> to <223>
section (See "Federal Register," 6/01/98, Vol. 63, No. 104,pp.29631-32)
(Sec.1.823 of new Rules)

seq#:2,3,4,5,6,7,8,9,10,11,12,13,14,15

VERIFICATION SUMMARY   DATE: 06/26/2006
PATENT APPLICATION: US/10/583,088   TIME: 13:38:52

Input Set : A:\PCTIB2004004022 seq list.ST25.txt
Output Set: N:\CRF4\06262006\J583088.raw

L:16 M:270 C: Current Application Number differs, Replaced Current Application No
L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:150 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:2
L:154 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:2, <213>
ORGANISM:Artificial Sequence
L:154 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:2, <213>
ORGANISM:Artificial Sequence
L:154 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:2,Line#:154
L:165 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:3
L:169 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:3, <213>
ORGANISM:Artificial Sequence
L:169 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:3, <213>
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L:169 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:3,Line#:169
L:179 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:4
L:183 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:4, <213>
ORGANISM:Artificial Sequence
L:183 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:4, <213>
ORGANISM:Artificial Sequence
L:183 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:4,Line#:183
L:193 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:5
L:197 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:5, <213>
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L:197 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:5, <213>
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L:197 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:5,Line#:197
L:207 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:6
L:211 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:6, <213>
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L:211 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:6, <213>
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L:211 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:6,Line#:211
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ORGANISM:Artificial Sequence

L:267 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:10, <213>
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L:277 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:11
L:281 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:11, <213>
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L:281 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:11, <213>
ORGANISM:Artificial Sequence
L:281 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:11,Line#:281
L:291 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:12
L:295 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:12, <213>
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L:295 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:12, <213>
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L:295 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:12,Line#:295
L:305 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:13
L:309 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:13, <213>
ORGANISM:Artificial Sequence

VERIFICATION SUMMARY   DATE: 06/26/2006
PATENT APPLICATION: US/10/583,088   TIME: 13:38:52

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Output Set: **N:\CRF4\06262006\J583088.raw**

L:309 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:13, <213>
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L:323 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:14, <213>
ORGANISM:Artificial Sequence
L:323 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:14, <213>
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L:323 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:14,Line#:323
L:333 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:15
L:337 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:15, <213>
ORGANISM:Artificial Sequence
L:337 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:15, <213>
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L:337 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:15,Line#:337